

ECS Configuration Change Request

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Page(s)

1. Originator Jenny Boliek	2. Log Date: 05/01/03	3. CCR #: 03-0319	4. Rev: —	5. Tel: 301-925-1122	6. Rm #: 2058	7. Dept. SE
8. CCR Title: Patch_6A.07_PDPS.02						
9. Originator Signature/Date Jenny Lynn Boliek /s/ 05/01/03			10. Class II	11. Type: CCR	12. Need Date: 01May03	
13. Office Manager Signature/Date Carolyn Whitaker /s/ 05/01/03			14. Category of Change: Other		15. Priority: (If "Emergency" fill in Block 27). Emergency	
16. Documentation/Drawings Impacted (Review and submit checklist):			17. Schedule Impact:		18. CI(s) Affected: PDPS	
19. Release Affected by this Change: 6A		20. Date due to Customer: 01May03		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: See additional page for NCR list						
23. Problem: (use additional Sheets if necessary) This patch includes the monthly rollout of PDPS.						
24. Proposed Solution: (use additional sheets if necessary) Deliver Patch_6A.07_PDPS.02.						
25. Alternate Solution: (use additional sheets if necessary) Wait until next delivery of PDPS subsystem						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Identified PDPS problems will continue..						
27. Justification for Emergency (If Block 15 is "Emergency"): NA. This patch also replaces previously delivered TEs and Engineering Software.						
28. Site(s) Affected: <input checked="" type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): Mary S. Armstrong /s/ 05/01/03			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. M&O CCB Chair (Sign/Date): Pamela Johnson /s/ 05/01/03			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

ADDITIONAL SHEET

CCR #: 03-0319 **Rev:** — **Originator:** Jenny Boliek

Telephone: 301-925-1122 **Office:** 2058

Title of Change: Patch_6A.07_PDPS.02

Actions

ClearCase Group(CSG):

CSG --

Please build the following tarfiles from the 6A07EBF1 baseline

One IRIX65 tar file with the following packages:

.EcDpScSCNCPRCS.pkg
.EcDpScS4pmPREPQCPge.pkg
.EcDpScS4pmDPREPPge.pkg

One SOL8 tar file with the following packages:

.EcClOdAsterOnDemand.pkg
.EcDpPrPLNMGMTWS.pkg
.EcDpPrQUESRVR.pkg
.EcPIDatabase.pkg
.EcPIPLNMGMTWS.pkg
.EcPIQUESRVR.pkg
.EcPIODPRM.pkg

One SOL8 tar file with the following files:

/ecs/formal/ESDT/sys/DsESDTPpAUREPHMH.001.desc
/ecs/formal/ESDT/sys/DsESDTPpAUREPHMN.001.desc

Please label these tarfiles Patch_6A.07_PDPS.02

Continued from page 1: Block 22 & Block 23

ECsed36778 SEV2 LaRC DAAC DPR creation for reprocessing failing due to missing data type in PIESdt
ECsed31566 SEV3 EDF Need to removed unneeded parameters from DPS.cfgparms and .dbparms
ECsed31569 SEV3 EDF Need to remove all unneeded parameters from PLS .cfgparms and .dbparms
ECsed31886 SEV3 EDC DAAC OPS:5B.07:PDPS: Data Processing Requests (DPRs) 'dprState'
ECsed32121 SEV2 GSFC DAAC PDPS Acquire Priority is Not Configurable
ECsed35912 SEV2 LaRC DAAC Extra input granule found when creating DPR; dpr creation a
ECsed36464 SEV2 LaRC DAAC Science Data Server running out of sockets in OPS
ECsed36487 SEV5 EDC DAAC OPS:6A.06P5:PDPS:Production Request Editor / Delete Multipl
ECsed36657 SEV5 EDF Aura DPREP Keplerian Epoch met as float time
ECsed36724 SEV3 EDF DPREP: FDD Ephemeris PGE detect missing data
ECsed36843 SEV3 EDF Aura orbital element PSAs change MCFs
ECsed36852 SEV2 EDC DAAC EcDpPrRmFilesWOGanules.pl cleaned up wrong directory
ECsed36855 SEV2 NSIDC DAAC 6A.07+ TS1 EclnReqMgr cored during ingest test (For PDPS and ODFRM Emails)
ECsed36871 SEV2 GSFC DAAC GSFC/SMC: DPREP Bad/Missing Word count in Out-of-Bounds cou
ECsed36876 SEV5 EDF LDAAC wants the DPREP release notes.
ECsed36947 SEV2 GSFC DAAC GSFC/SMC: Status Word 2 QA percentages saved in header spares
ECsed37015 SEV2 GSFC DAAC GSFC/SMC: Aqua DPREP throws away useful attitude.
ECsed37045 SEV5 GSFC DAAC Require a DPREP PGE to repair Aqua GBAD data sets.
ECsed37249 SEV5 GSFC DAAC GbadJ2000 which statement failure
ECsed34984, SEV3 Config value SocketLimit in EcDpPrJobMgmt.CFG has to be changed to 1000.

PATCH DEPENDENCIES

Patch_6A.07_PDPS.02 can be installed on top of any previous version of PDPS software delivered.

DAAC INSTALL INSTRUCTIONS

A. PRE - INSTALLATION

1. Copy the *irix65* tar files into the <staging_area>/IRIX65 directory
2. Copy the *sun5.8* tar files into the <staging_area>/SOL8/ directory
3. Using the Setup.ksh files untar the tar files in both directories
4. When prompted, you will not need to install a new version of EcsAssist.
5. Using the tar command untar the tar file that contains the two new ESDTs.
6. cd <staging_area>/IRIX65/CUSTOM/dbms

```
chmod -R 775 *
```

7. Bring down all PDPS servers

B. INSTALLATION:

1. Logon to any SUN host and install the listed packages using E.A.S.I

```
.EcDpScSCNCPRCS.pkg  
.EcDpScS4pmPREPQCPge.pkg  
.EcDpScS4pmDPREPPge.pkg  
.EcClOdAsterOnDemand.pkg  
.EcDpPrPLNMGMTWS.pkg  
.EcDpPrQUESVR.pkg  
.EcPIDatabase.pkg  
.EcPIPLNMGMTWS.pkg  
.EcPIQUESVR.pkg  
.EcPIODPRM.pkg
```

2. Logon to the host where SDSRV resides (xxacsnn).

3. cd /usr/ecs/<MODE>/CUSTOM/data/ESS

4. At GSFC and LARC only, diff DsESDTPpAUREPHMH.001.desc <staging_area>/SOL/DsESDTPpAUREPHMH.001.desc If there is a difference then copy the file from the staging area into the directory on xxacsnn.

5. At GSFC and LARC only, diff DsESDTPpAUREPHMN.001.desc <staging_area>/SOL/DsESDTPpAUREPHMN.001.desc If there is a difference then copy the file from the staging area into the directory on xxacsnn.

C. CONFIGURATION:

1. Log into each host where EcPIPREditor runs (xxplsnn)

2. Using the ECS Assist Subsystem Manager, run Mkcfgs for EcPIPREditor, The following parameter will be added for EcPIPREditor:

Parameter	Default Value
TimeDeltaForGranules	0

Definition for TimeDeltaForGranules parameter - For granules whose RangeBeginningTimes and RangeEndingTimes have been shifted due to JPL recalculations, the implementation is as follows:

Determine the delta value for the RangeBeginningTimes of the granules and insert this delta value for the parameter TimeDeltaForGranules in the .CFG file. During DPR explosion time, the code will determine if there are multiple granules with RangeBeginningTimes within the delta value. If there are, the code will select the most recently inserted granule from this group. If delta is set to Zero, all granules will be selected.

3. Using the /usr/ecs/<MODE>/CUSTOM/.installed/PLS/.rgypatch file you may populate the Registry with the new parameter. After you have updated the Registry, move the EcPIPREditor.CFG file to EcPIPREditor.CFG.rgy file.

4. Logon to the host where SubMgr runs (xxspsnn) and bring up EcsAssist Subsystem. Run the Mkcfgs only for the following:

EcPISubMgr
EcDpPrEM
EcDpPrDeletionServer
EcDpPrJobMgmt
EcPIOdMgr. (EDC only)

The following parameter will be added for EcDpPrEM

Parameter	Default Value
AcquirePriority	VHIGH

Definition for AcquirePriority parameter - In order to optimize distribution throughput at the DAACs, user can make acquire priority to be HIGH or VHIGH or NORMAL or XPRESS.

When running the Mkcfig for EcDpPrJobMgmt please set the Socket Limit to 1000 (See NCR 34984).

For EcPISubMgr, EcPIOdMgr, EcDpPrDeletionServer and EcDpPrJobMgmt some unused parameters are being removed for a list of those parameters see the .cfgpatch files. (These were to be removed to cleanup old parameters that were used by DCE.)

5. Use the /usr/ecs/<MODE>/CUSTOM/.installed/DPS/PRONG/.rgypatch to update the Configuration parameters for EcDpPrJobMgmt, EcDpPrDeletionServer, and EcDpPrEM.

6. Use the EcCoPopulateRegistry tool to populate the Registry for .EcPISubMgr and EcPIOdMgr (EDC only).

7. Move the *.CFG files to *.CFG.rgy files.

8. Copy the EcDpPrEM.CFG.rgy to EcDpPrEM.CFG (EM must run from the CFG file)

9. Bring up the Registry and verify the SocketLimit is set to 1000 for EcDpPrJobMgmt.

D. DATABASE INSTALLATION

None. There are no new database patches since the delivery of 6A.07.

E. POST INSTALLATION

1. Bring up PDPS servers

2. At GSFC and LARC only, If the new Descriptors listed in the INSTALLATION section were copied to the SDSRV host, then those two descriptors have to be installed. These new descriptors are not "update-able" from previously delivered versions. Therefore if the new descriptors must be installed, then you must delete the old descriptors from SDSRV, SBSRV, ADSRV, and DDICT databases first. Make sure the SSS Drivers are running while you are deleting the information in the 4 listed databases. Then you can use the SDSRV GUI to install the new version of the ESDTs.